

FIG. 1

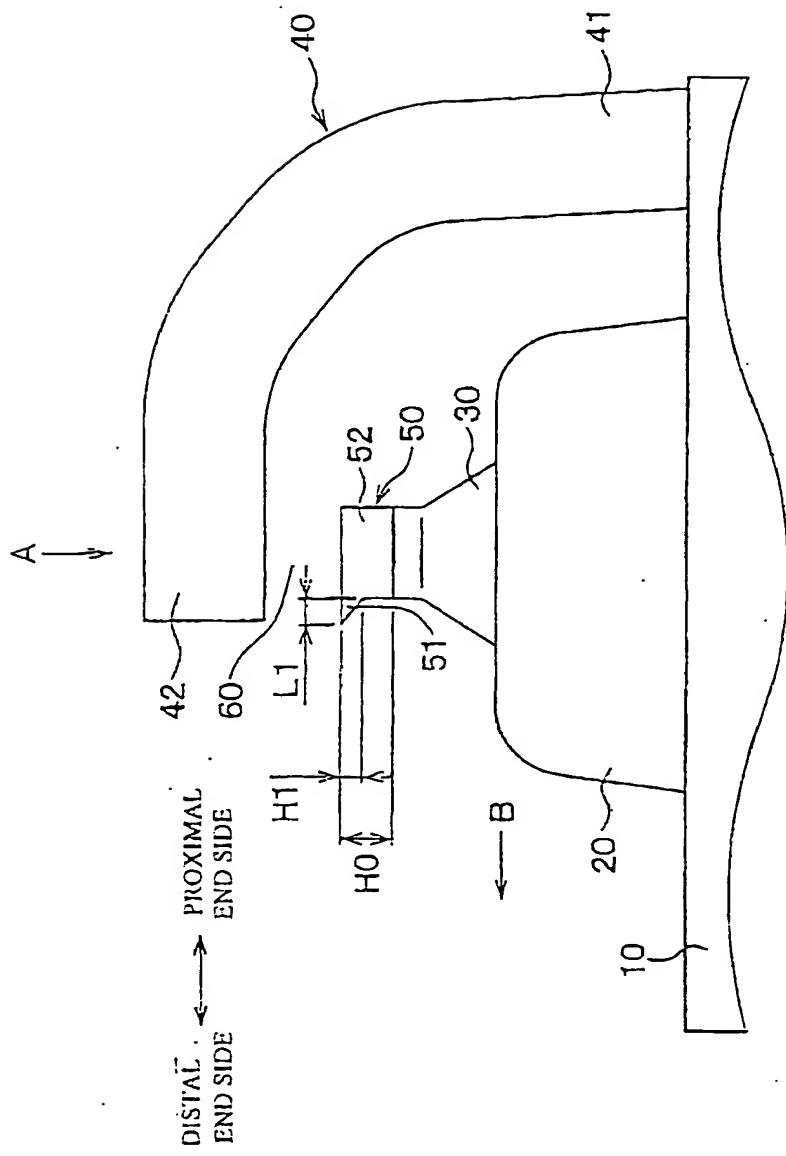


FIG. 2

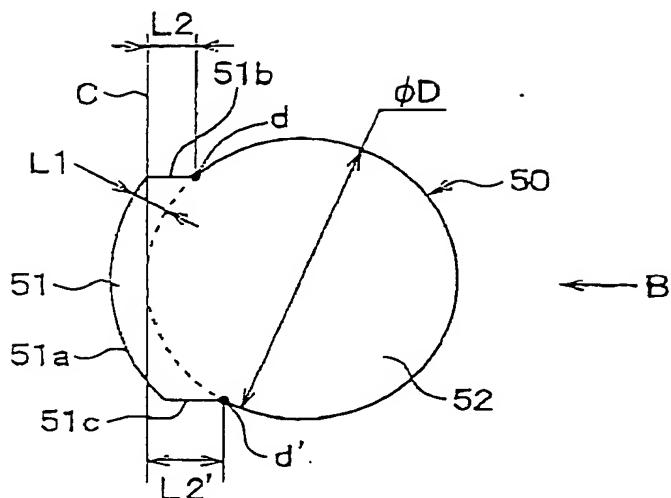


FIG. 3

PRIOR ART.	①	②	③	④	⑤	⑥
L1(mm)	0	0.01	0.1	0.2	0.1	0.01
L2/D	0	0.5	0.5	0.5	0.1	0.1
L2'/D	0	0.5	0.5	0.5	0.1	0.1
H1(mm)	0	0.1	0.1	0.1	0.1	0.3
SYMBOL	●	○	△	□	◇	×

FIG. 4

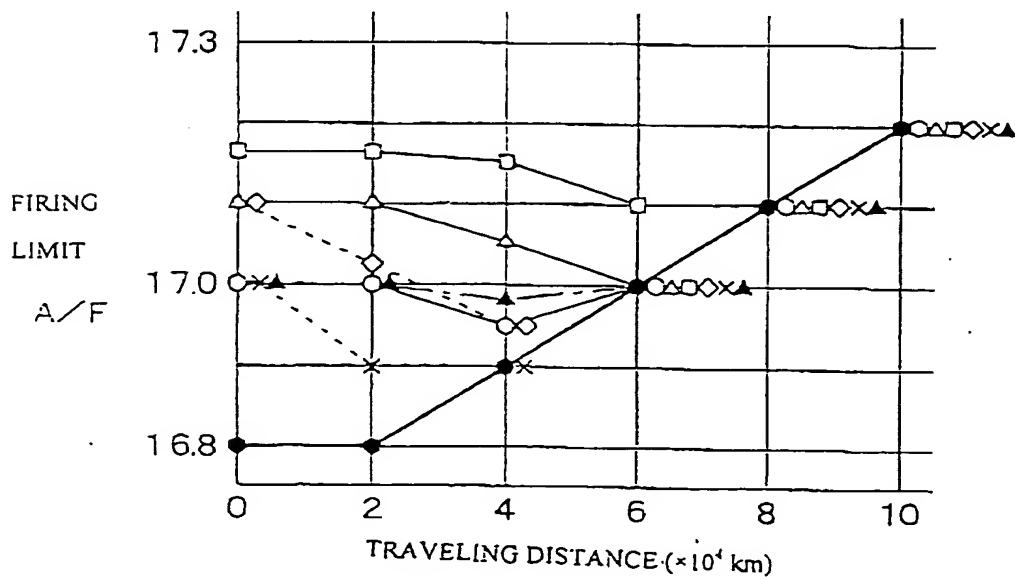


FIG. 5

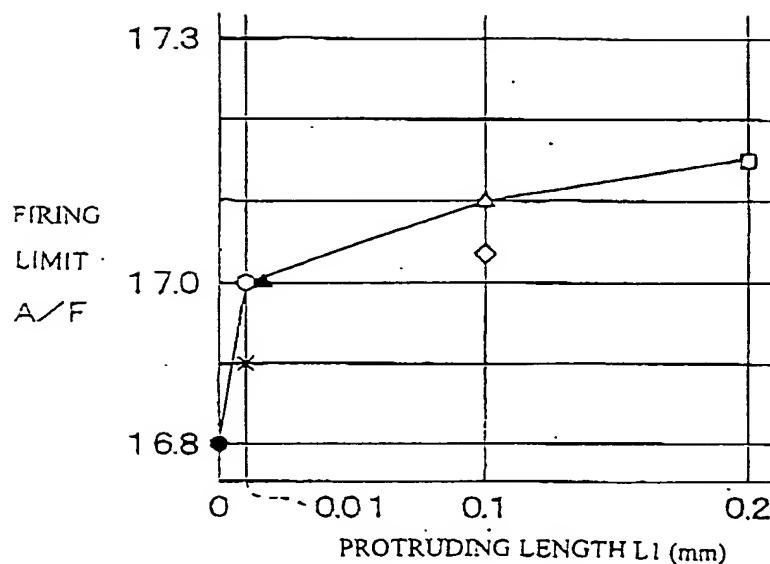


FIG. 6

PRIOR ART	①	②	③	④	⑤	⑥
L1 (mm)	0	0.01	0.1	0.2	0.1	0.01
L2/D	0	0.5	0.5	0.5	0.1	0.1
L2'/D	0	0.5	0.5	0.5	0.5	0.1
H1 (mm)	0	0.1	0.1	0.1	0.1	0.3
SYMBOL	●	○	△	□	◇	▲

FIG. 7

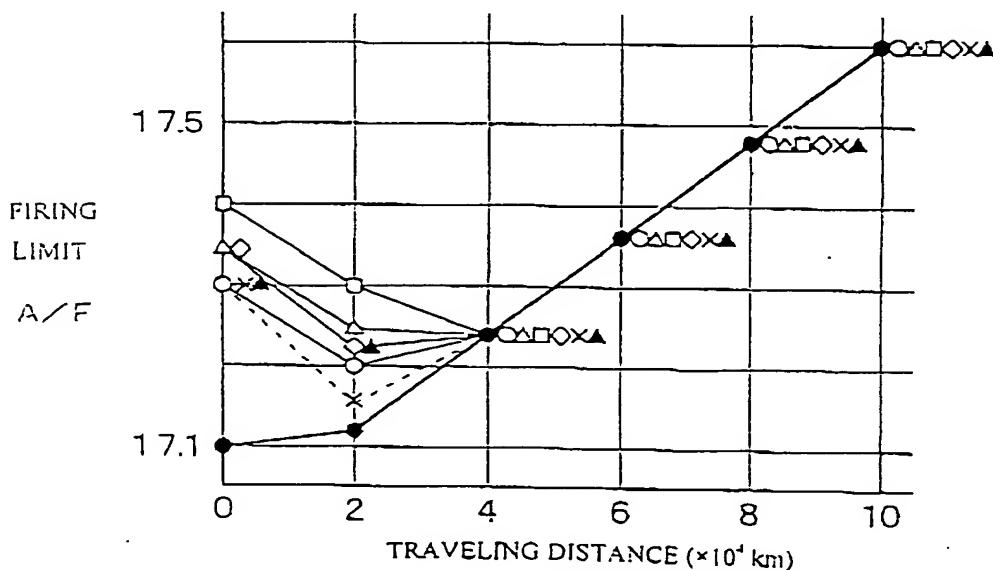


FIG. 8

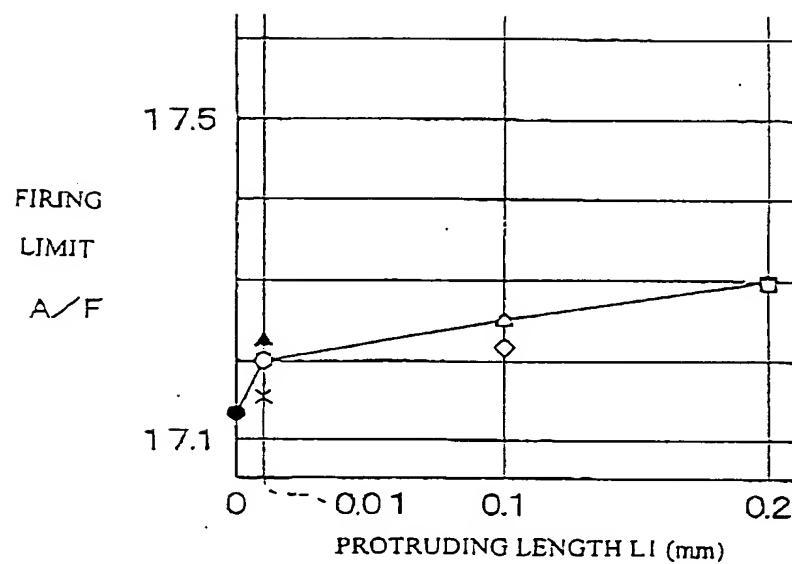


FIG. 9A

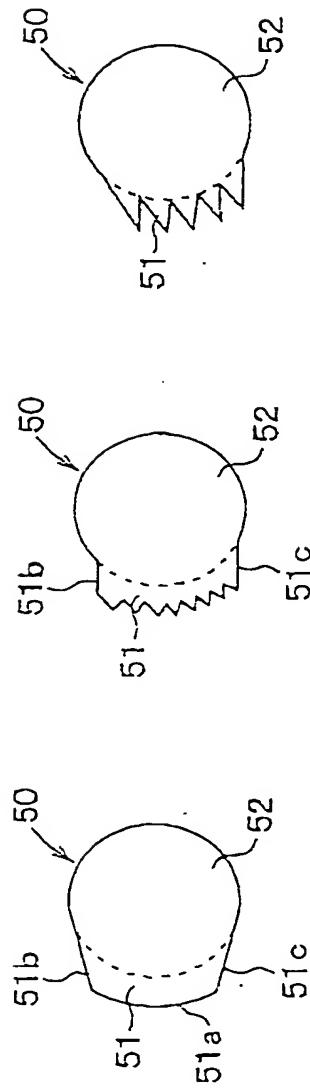


FIG. 9B

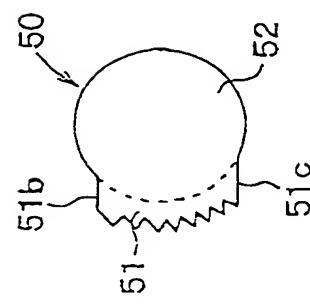


FIG. 9C

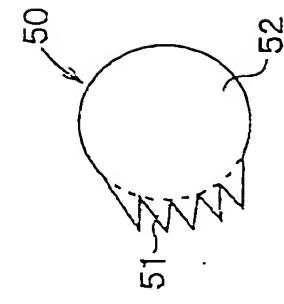


FIG. 9D

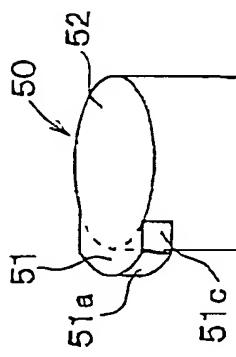


FIG. 9E

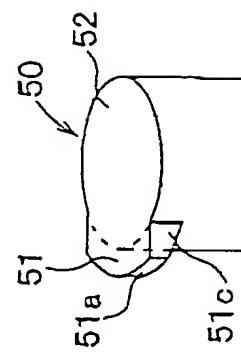
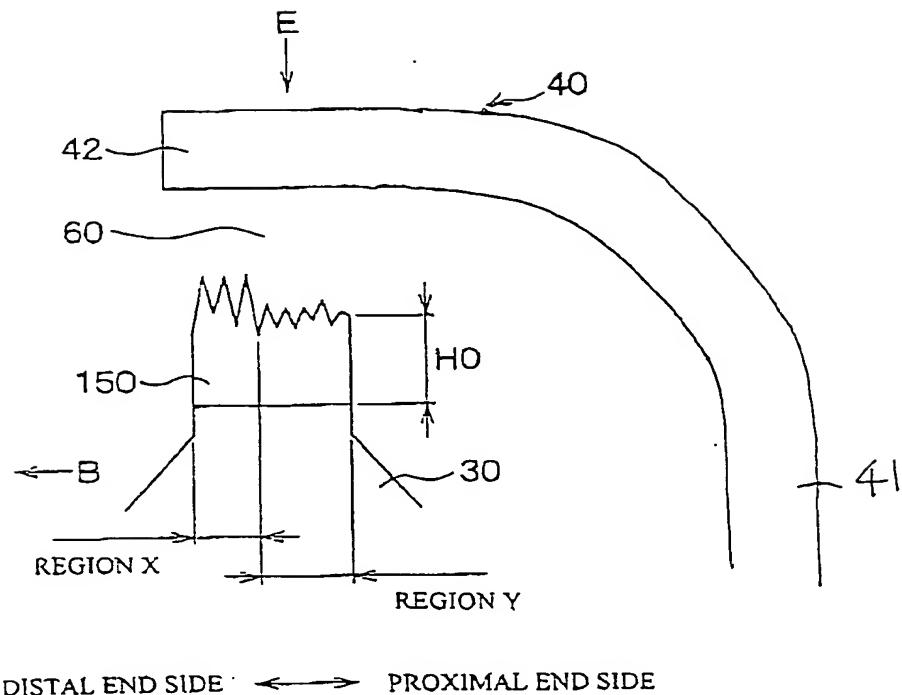


FIG. 10



DISTAL END SIDE ← → PROXIMAL END SIDE

FIG. 11

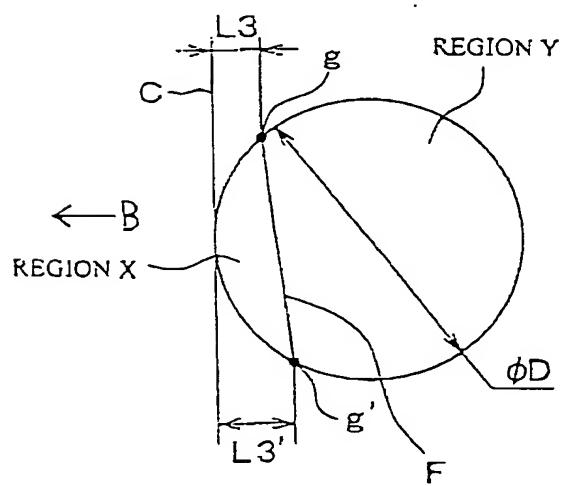


FIG. 12

PRIOR ARTI	①	②	③	④	⑤	⑥	⑦	⑧
$\Delta W_{CM} (\mu m)$	0	0	0	0	0	0	0	-50
$L_3 \neq D$	0	0.3	0.3	0.3	0.1	0.1	0.5	0.1
$L_3' \neq D$	0	0.3	0.3	0.3	0.1	0.5	0.5	0.1
$\Delta R_z (\mu m)$	4 ≥	20	200	400	600	20	20	20
SYMBOL	●	○	Δ	□	◊	▲	■	◆ x

FIG. 13

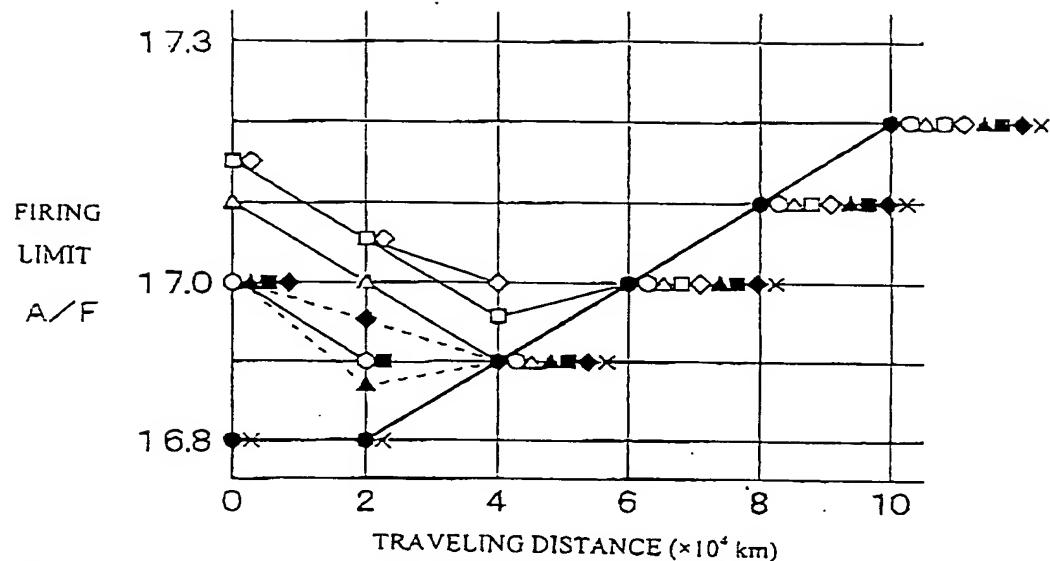


FIG. 14

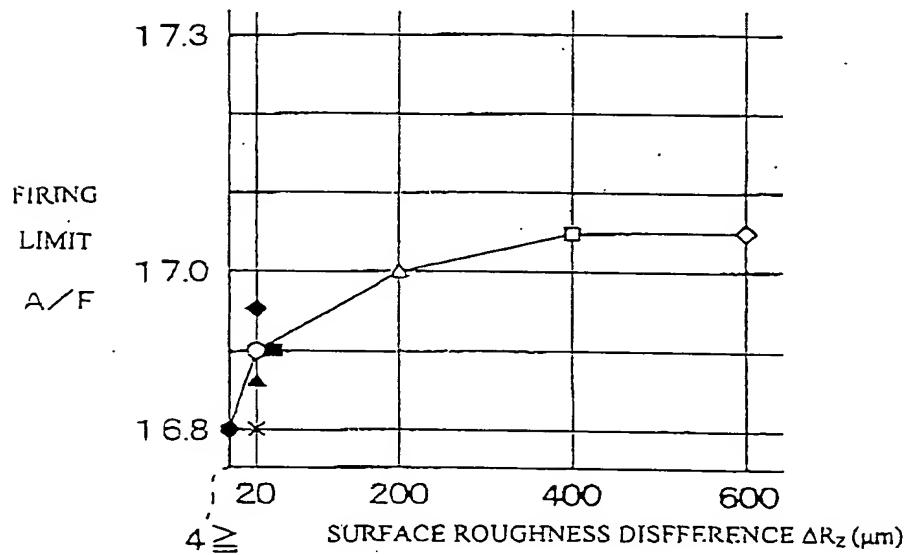


FIG. 15

PRIOR ART	①	②	③	④	⑤	⑥	⑦	⑧
$\Delta W_{CM} (\mu m)$	0	0	0	0	0	0	0	-50
$L_3 / D$	0	0.3	0.3	0.3	0.1	0.1	0.5	0.1
$L_3' / D$	0	0.3	0.3	0.3	0.1	0.5	0.5	0.1
$\Delta R_z (\mu m)$	4 ≥	20	200	400	600	20	20	20
SYMBOL	●	○	△	□	◇	▲	■	◆ ×

FIG. 16

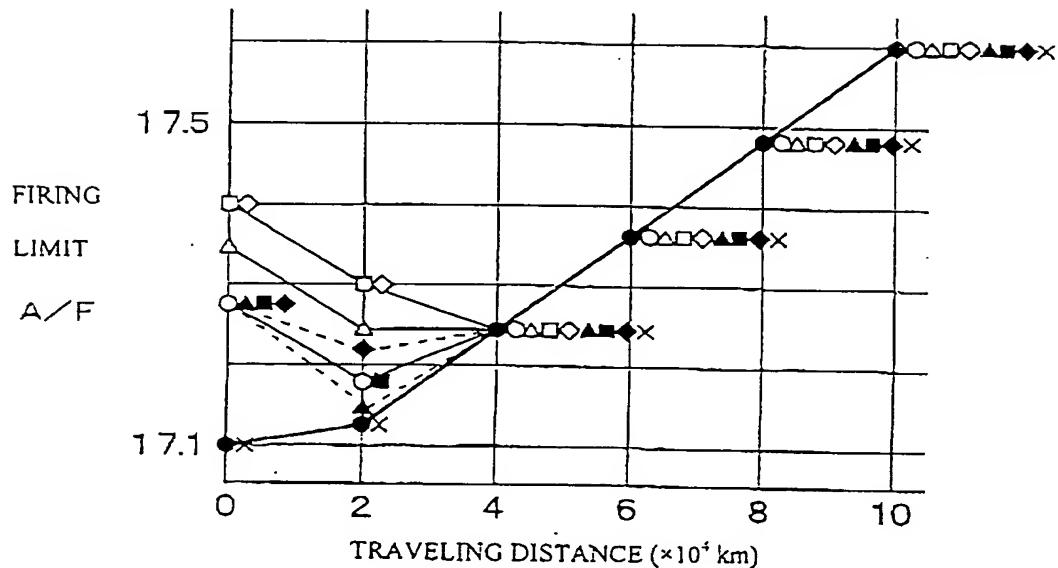


FIG. 17

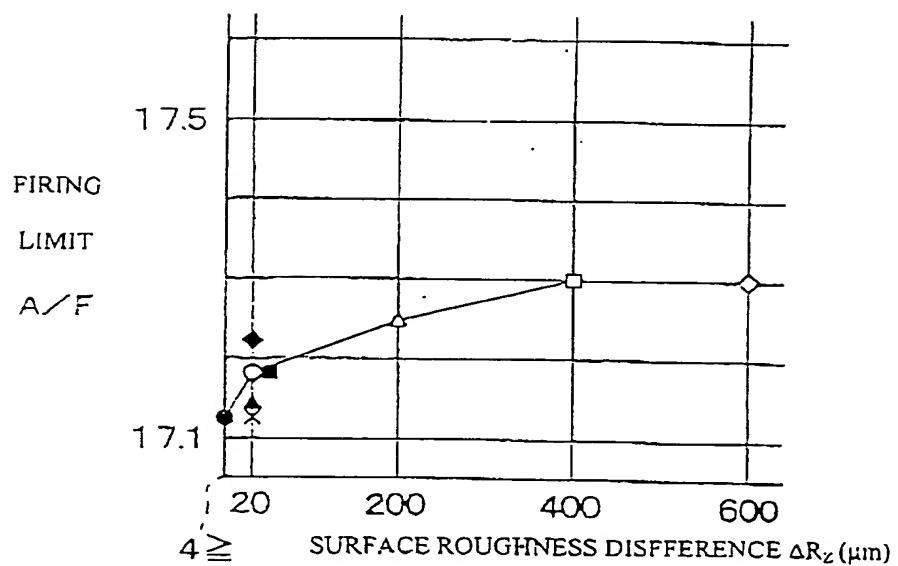


FIG. 18A

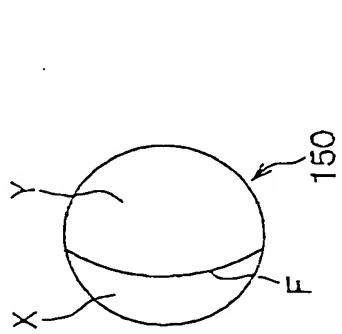


FIG. 18B

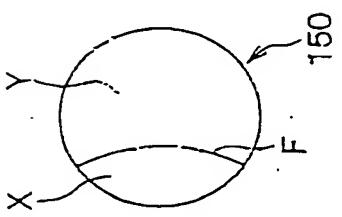


FIG. 18C

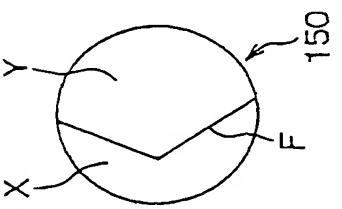


FIG. 18D

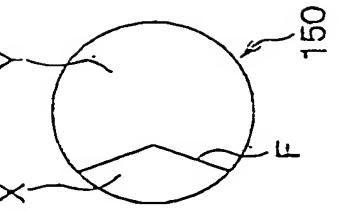


FIG. 19

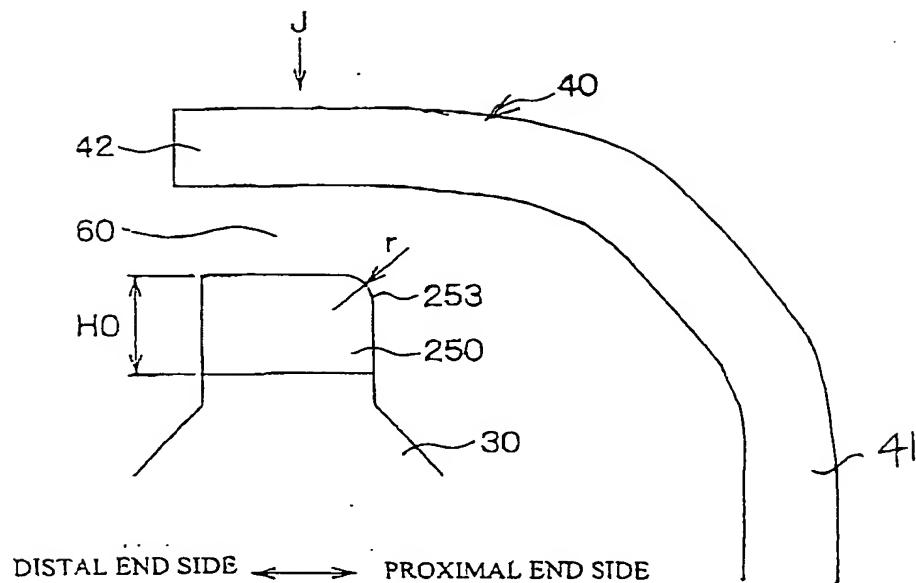


FIG. 20

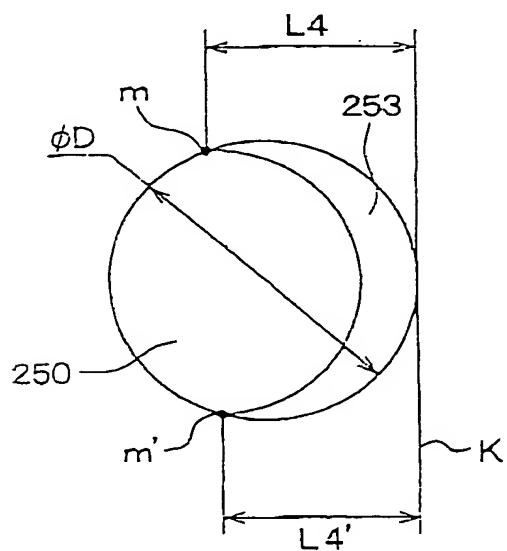


FIG. 21

	PRIOR ART ①	②	③	④	⑤	⑥
$r_{\max}$ (mm)	0	0.05	0.10	0.15	0.20	0.05
$L_4/D$	0	0.5	0.5	0.5	0.5	0.5
$L_4'/D$	0	0.5	0.5	0.5	0.5	0.8
SYMBOL	●	○	△	□	◇	▲

FIG. 22

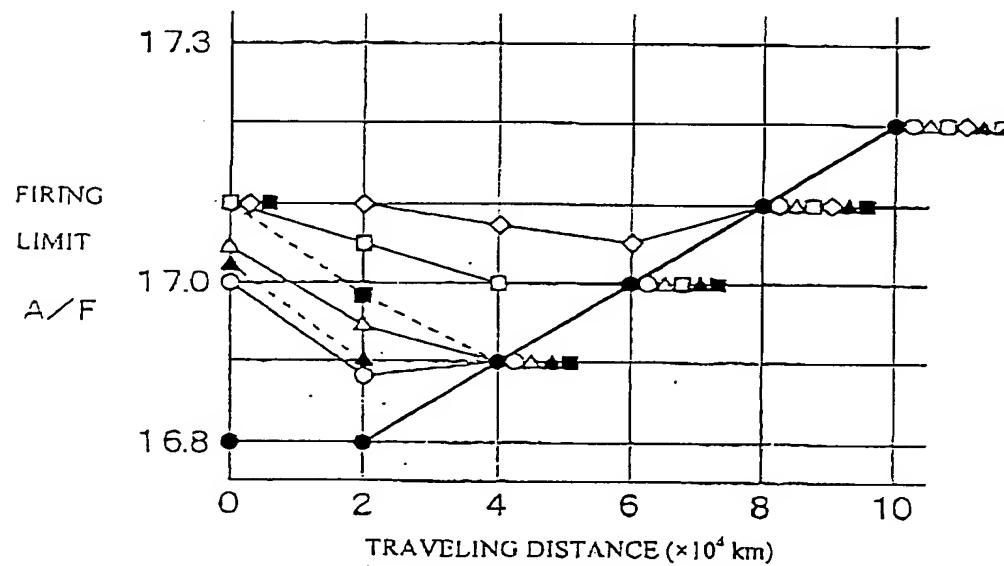
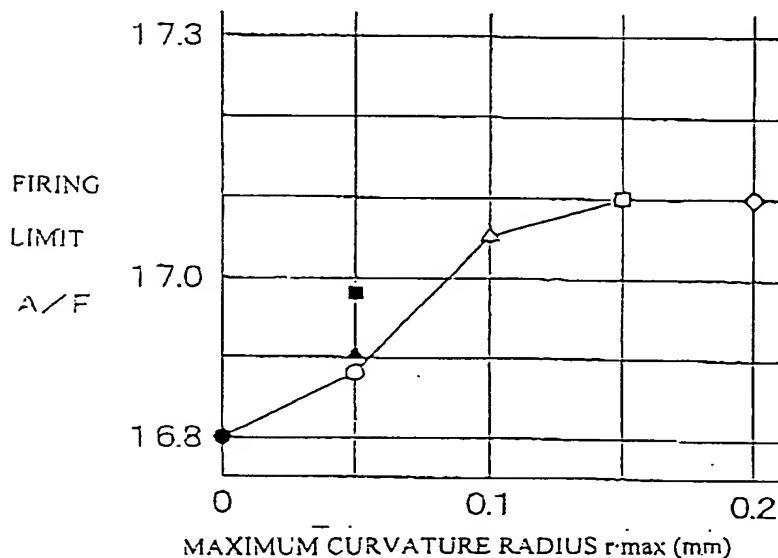


FIG. 23



14  
15

FIG. 24

PRIOR ART	①	②	③	④	⑤	⑥	
r · max (mm)	0	0.05	0.10	0.15	0.20	0.05	0.05
L4 / D	0	0.5	0.5	0.5	0.5	0.5	0.8
L4' / D	0	0.5	0.5	0.5	0.5	0.8	0.8
SYMBOL	●	○	△	□	◊	▲	■

FIG. 25

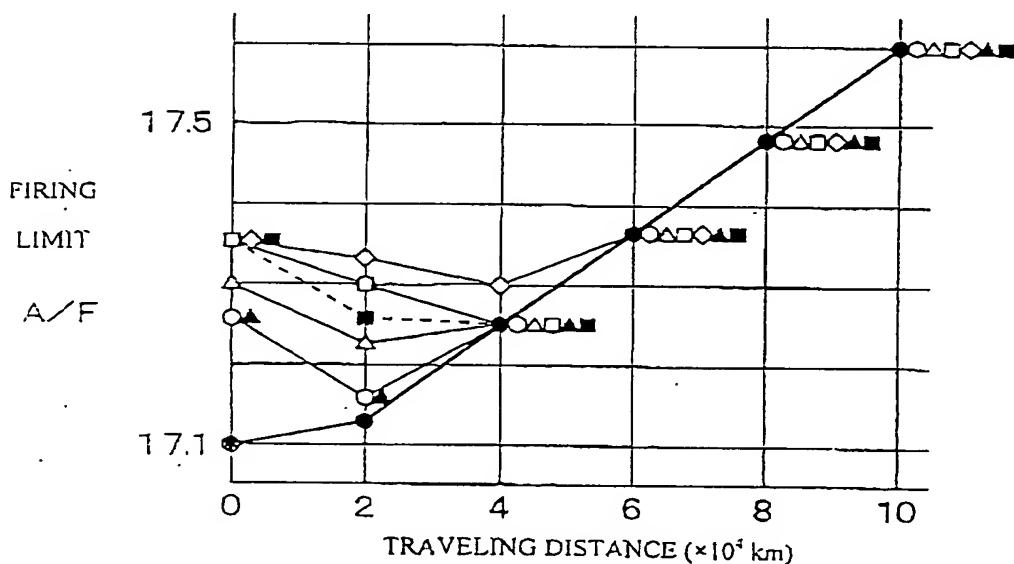
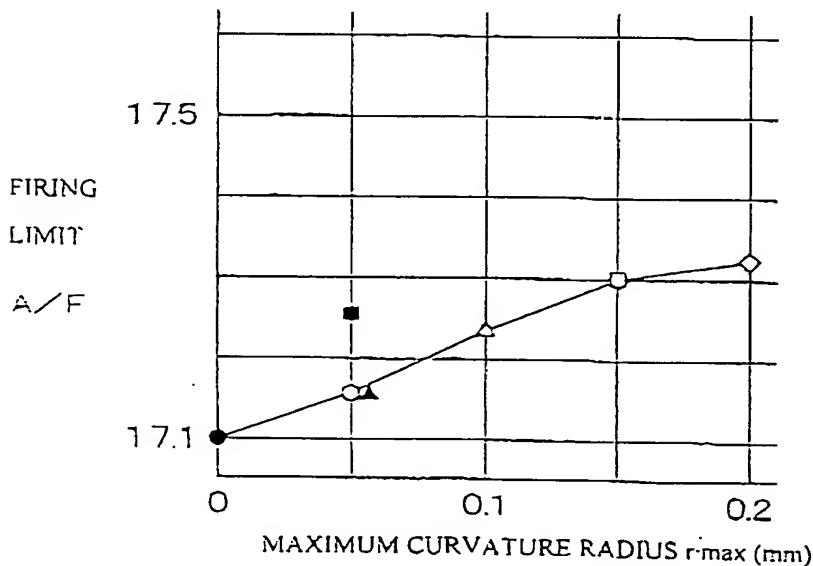


FIG. 26



~~15~~  
15

FIG. 27A

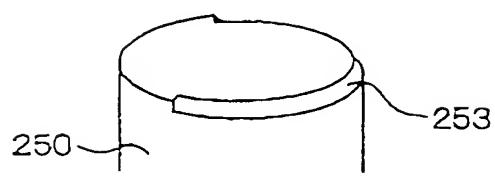


FIG. 27B

